FORM PTO-1449 (Rev. 2-32)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. SERIAL NO. A3-172 US

APPLICANT

Hirata et al.

FILING DATE

GROUP

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

	_		U.S.	PATENT DOCUMENTS	3		
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
H-	AA	5,224,866	07/06/1993	Nakamura et al.	439	81	
1	AB	5,310,357	05/10/1994	Olson	439	346	
	AC	5,395,250	03/07/1995	Englert, Jr. et al.	439	65	
	AD	5,727,956	03/17/1998	Mitra et al.	439	74	
	AE	5,971,809	10/26/1999	Но	439	660	
	AF	5,975,916	11/02/1999	Okura	439	74	·
	AG	6,338,630	01/15/2002	Dong	439	74	
	AH	6,540,561	04/01/2003	Masumoto	439	660	
AG	ΑI	5,181,855	01/26/1993	Mosquera et al.	439	74	
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HG	AP	2000-260509	09/22/2000	Japan	H 01 R	12/16		
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APPLICANT Hirata et al.

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

	DOCUMENT					TRANSLATION		
	NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO	
AP	2000-260509	09/22/2000	Japan	H 01 R	12/16			
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Alex Gilman 03/17/04